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PATENT ABSTRACTS OF JAPAN(21) Application number: **57006490**(51) Intl. Cl.: **B05B 5/04**(22) Application date: **19.01.82**

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PAINTING APPARATUS**

(57) Abstract:

PURPOSE: To promote the atomization of paint, by providing an air nozzle rotating to a direction opposed to the rotary direction of a rotary atomizing head rotating to a predetermined direction by a rotary drive source.

CONSTITUTION: By rotating a rotary drive source provided to a main body 1 to the direction A shown by an arrow, a rotary atomizing head 3 is rotated to the same direction through a rotary shaft 2. In addition, air is injected to the blade 11A of a blade wheel 11 and air in the space 10 of the blade wheel is discharged to the atmosphere from an air exhaust port 14 by the blade wheel 11 rotating to a direction opposed to the rotary direction of the rotary atomizing head 3. On the other hand, a paint is atomized in a liquid yarn form by centrifugal force due to the rotation of the rotary atomizing head 3 and,

because atomization promoting air is injected by the rotation toward a direction reverse to the atomizing direction of said paint, air and the paint are mutually impinged in an inverted phase and the fine pulverization of the atomized paint can be effectively promoted.

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